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(54) Title: GENES UPREGULATED IN A TOMATO PLANT HAVING AN INCREASED ANTHOCYANIN CONTENT PHENOTYPE

(57) Abstract: Tomato anthocyanin vacuolar transporter ("MTP77") and chalcone isomerase ("MTP96") are up-regulated in tomato plants that overexpress the *ANT1* gene. Plant transformation vectors comprising isolated MTP77 or MTP96 polynucleotides can be made to generate transgenic plants having increased anthocyanin content relative to control plants.



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